

What is claimed is:

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1. An expandable intraluminal graft for use within in a body cavity comprising:
a body member having first and second ends, and a wall surface disposed between the first and second ends, the wall surface being formed by a plurality of intersecting elongated members, at least some of the elongated members intersecting with one another intermediate the first and second ends of the body member, said first and second ends having a plurality of end regions, at least one said end regions having a substantially smooth surface;

the body member having a first cross-sectional shape having a first cross-sectional area which permits intraluminal delivery of the body member into a body passageway, duct, blood vessel or other cavity, and a second expanded cross-sectional shape having a second cross-sectional area which second cross-sectional shape is variable, said body member having substantially the same longitudinal length when said body member is in its first cross-sectional shape and in its said second cross-sectional shape.

2. The expandable intraluminal graft of claim 1, wherein each end regions have a substantially smooth surface.

3. The expandable intraluminal graft of claim 1, wherein the plurality of elongated members are a plurality of wires, and the wires are fixedly secured to one another where the wires intersect with one another.

4. The expandable intraluminal graft of claim 1, wherein the plurality of elongated members are a plurality of thin bars fixedly secured to one another where the bars intersect with one another.

5. The expandable intraluminal graft of claim 1, wherein said body member has a plurality of openings, said openings having a parallelogram shape.

6. The expandable intraluminal graft of claim 1, having at least one connector and two body members, said connector is connected between the two body members, said connector allowing transverse bending flexibility invariant to the plane of bending of said graft.

7. The expandable intraluminal graft of claim 6, wherein said connector is substantially "U" shaped.

8. The expandable intraluminal graft of claim 1, wherein said body member has material to make at least a portion of the body member visible under fluoroscopy.

9. The expandable intraluminal graft of claim 8, wherein said material used to make said body member visible under fluoroscopy is located on the outer surface of said body member and at at least one end of said body member.

10. The expandable intraluminal graft of claim 8, wherein said material used to make the body member visible under fluoroscopy is located on the outer surface of said body member and at the connecting flexible joints of said body member.

11. The expandable intraluminal graft of claim 1, wherein said body member is at least partially treated with Gamma or Beta radiation to reduce the vascular narrowing of the stented section.

12. The expandable intraluminal graft of claim 1, wherein said intersecting elongated members are formed by a process selected from the group consisting of etching, laser cutting, and combinations thereof.

13. The expandable intraluminal graft of claim 1, wherein said first cross-sectional shape is substantially the same between the two ends of said body member.

14. The expandable intraluminal graft of claim 1, wherein said first cross-sectional shape is substantially circular.

15. The expandable intraluminal graft of claim 1, including a biological agent at least partially coated on the surface of said body member.

112 16. The expandable intraluminal graft as defined in claim 1, wherein said biological agent inhibits or reduces a biological condition selected from the group consisting of restenosis, vascular narrowing, in-stent restenosis and combinations thereof.

17. The expandable intraluminal graft as defined in claim 15, wherein said biological agent includes a platelet inhibitor.

18. The expandable intraluminal graft as defined in claim 15, wherein said body cavity is selected from the group consisting of a body passageway, body duct or a body blood vessel.

19. The expandable intraluminal graft of claim 15, including a mounting substance to be at least partially coated on said body member, said mounting substance at least partially securing said biological agent to said body member

20. The expandable intraluminal graft as defined in claim 19, wherein said mounting substance at least partially delays delivery of said biological agent into said body cavity.

21. The expandable intraluminal graft as defined in claim 15, including a balloon, said balloon including at least one opening to allow delivery of said biological agent from an interior of said balloon to said body cavity.

22. The expandable intraluminal graft as defined in claim 1, wherein said elongated members intersecting with one another intermediate the first and second ends of the body member forming a plurality of segments, at least one of said segments being formed of at least four intersecting elongated members which define the top, bottom and two sides of said segment.

23. The expandable intraluminal graft of claim 22, wherein said top and said bottom elongated members are substantially parallel to one another in said first and said second diameter of said body member.

24. The expandable intraluminal graft of claim 22, wherein said two sided elongated members are substantially parallel to one another in said first and said second diameter of said body member.

25. The expandable intraluminal graft of claim 23, wherein said top and said bottom elongated members are substantially parallel along a longitudinal axis of said body member.

26. An expandable intraluminal graft for use within a body cavity comprising:
a substantially tubular shaped member having first and second ends and a wall surface disposed between the first and second ends, the wall surface including a first and second set of slots, each set of slots including at least two slots positioned substantially parallel to one another, said first and said second set of slots forming an angle between said sets of slots between 0-90°, said first and

second ends having a plurality of end regions, at least one said end regions having a substantially smooth surface;

the tubular shaped member having a first diameter which permits intraluminal delivery of the tubular shaped member into a body cavity, and a second expanded diameter which second diameter is variable, said tubular shaped member having substantially the same longitudinal length when said member is in its first diameter and in its said second diameter.

27. The expandable intraluminal graft of claim 26, wherein each end regions have a substantially smooth surface.

28. The expandable intraluminal graft of claim 26, having at least one connector and two tubular members, said connector connected between the two tubular members, said connector allowing transverse bending flexibility invariant to the plane of bending of said graft.

29. The expandable intraluminal graft of claim 28, wherein said connector is substantially "U" shaped.

30. The expandable intraluminal graft of claim 26, wherein said tubular shaped member has material to make the tubular member visible under fluoroscopy.

31. The expandable intraluminal graft of claim 26, wherein said tubular member is treated with Gamma or Beta radiation to reduce the vascular narrowing of the stented section.

32. The expandable intraluminal graft of claim 26, including a mounting substance to be at least partially coated on said body member, said mounting substance at least partially securing said biological agent to said tubular member

33. The expandable intraluminal graft as defined in claim 32, wherein said mounting substance at least partially delays delivery of said biological agent into said body cavity.

34. The expandable intraluminal graft as defined in claim 32, including a balloon, said balloon including at least one opening to allow delivery of said biological agent from an interior of said balloon to said body cavity.

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